

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP 03/16137

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B21B45/08 B05B1/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B21B B05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|------------|---|-----------------------|
| A          | KUNZMANN G: "HYDRAULIC SCALE REMOVAL FROM HOT-ROLLED METAL" STEEL IN TRANSLATION, THE INSTITUTE OF MATERIALS, LONDON, GB, vol. 31, no. 8, 2001, pages 56-59, XP001144128 ISSN: 0967-0912 the whole document | 1-11                  |
| A          | EP 0 792 692 A (KYORITSU GOKIN MFG) 3 September 1997 (1997-09-03) the whole document & JP 09 094486 A (KYORITSU GOKIN SEISAKUSHO KK) 8 April 1997 (1997-04-08) cited in the application                     | 1-11                  |

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

26 April 2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
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| A          | US 4 848 672 A (ASAKAWA HIROYOSHI ET AL)<br>18 July 1989 (1989-07-18)<br>column 3, line 47 -column 6, line 22;<br>figures 1,4,6,8<br>& JP 06 073697 B (KYORITSU GOKIN MFG)<br>21 April 1994 (1994-04-21)<br>cited in the application<br>---- | 1-11                  |
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Information on patent family members

International Application No

PCT/JP 03/16137

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